

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECURITY INFORMATION

COUNTRY	East Germany	REPORT	<input type="text"/>	25X1
SUBJECT	Russian Exploitation of East German Electrical Development in 1952	DATE DISTR.	14 April 1953	
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PLACE ACQUIRED	<input type="text"/>	REQUIREMENT NO.	RD	25X1
		REFERENCES		

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

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Note: NTB-1-BEM-NTB for Heavy and Light Electric Motors. Berlin-Oberschoeneweide, Wilhelminenhof-Strasse 83-85.

NTB-2-NTB for small motors, Dresden-Dobritz, Breitscheid-Strasse 76-78.

NTB-3-WIBC-NTB for the construction of high frequency apparatus, Berlin O 112, Neue Bahnhof-Strasse 9-11.

NTB-4-REFEM-NTB for Electrical Measuring Instruments, Berlin Oberschoeneweide, Wilhelminenhof-Strasse 76-77.

SAG Kabel Serial No.	NTB responsible	USSR Customer	Task	Extent of task 25X1 completion date of task or of those parts of it ready in 1952. (Condensed translations only)
1	2	3	5	6
1	NTB-1	MEP Min. of Electric Industry	Asynchronous motor series 100 to 1,000 KW.	5 samples, workshop drawings, etc. Fourth Quarter, 1952

25 YEAR
RE-REVIEW

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STATE	X	ARMY	X	NAVY	X	AIR	X	FBI		AEC		OSI	By X		
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(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)

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1	2	3	5	6
2	NTB-1 and NTB-2	MEP	Asynchronous motor series -.6 to 100 KW; electrical and mechanical modifications. (Further specifications in original),	Experimental model, drawings, etc. Second quarter 1952.
3	NTB-2	MEP	Building of electric motors dimensions (Gabarit) 3, 4, and 5, with coated end-plates (sic).	18 models by Second quarter 1952. Drawings, etc.
4	NTB-2	MEP	Series of small electric meters 5 to 400 W.	3 models of each type. Fourth quarter 1952. Drawings, etc.
5	VEB formerly Koch und Sterzel. /i.e. VEM Transformatoren and Roentgenwerk Dresden/	MEP	AC test instrument for 1200 KV.	One experimental model. Second quarter 1953. Drawings, etc.
6	NTB-4	VM [War Ministry]	Laboratory phase meter for 350 to 450 cycles.	5 models, Fourth quarter, 1952. Drawings, etc.
7	NTB-4	VM	Laboratory frequency meter for 300 to 800 cycles or 300 to 450, 450 to 600 and 600-800 cycles.	Development report drawings and 3 samples of each. Fourth quarter, 1952.
8	NTB-4	VM	Laboratory ammeter with transformer class 0.5, for 300 to 600 cycles.	30 experimental models, drawings etc., Fourth quarter 1952.
9	NTB-4	VM	Laboratory voltmeter class 0.5 for 300 to 600 cycles.	20 experimental models, drawings etc., Fourth quarter 1952.
10	NTB-4	VM	Laboratory watt-meter, class 0.5 for 300 to 600 cycles, with transformer.	15 experimental models, drawing etc., Fourth quarter 1952.
11	NTB-4	VM	Development of a stable conducting layer for variable wireless resistances.	Research and preparation of sample layers. Fourth quarter, 1952.
12	NTB-4	VM	Set of thermo-electric instruments and screening brass housing, about 50 x 50 x 30 mm.	2 sets of samples, report etc. Fourth quarter, 1952.

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1	2	3	5	6
13	NTB-4	MEP	Vector meters,	3 experimental models drawings, etc. Fourth quarter, 1952,
14	NTB-4	AN Academy of Science	Development and production of experimental samples of DC amplifiers with feed blocks.	4 samples etc. Fourth quarter, 1952.
15	NTB-4	VMF Ministry for the Navy	Development and production of a frequency meter.	Sample and drawings, etc. Fourth quarter, 1952.
16	NTB-4	VMF	Development of HF wattmeters for short wave.	Sample, drawings, etc. Fourth quarter, 1952.
17	NTB-4	MSP Ministry of ship- building	Development of a power meter.	5 samples, drawings, etc. Fourth quarter, 1952.
18	NTB-4	VMF	Development and production of a kilovoltmeter.	2 experimental samples, drawings, etc. Fourth quarter, 1952.
19	NTB-4	VM	Frequency meter of increased accuracy.	Report, 2 samples. Fourth quarter, 1952.
20	NTB-4	VM	Development of methods and apparatus for the measurement of loss in ferromagnetic materials in a range of up to 10 mcs.	Report. Sample. Fourth quarter, 1952.
21	NTB-4	MATP Min. of Auto and Tractor Industry	Permeameter for determination of the magnetization curve in DC.	Report, sample and drawings. Fourth quarter, 1952.
22	NTB-4	MATP	Development of a hard-magnetic isotropic cobalt-free alloy,	Technical report ^{25X1} and sample. Fourth quarter, 1952.
23	NTB-4	MATP	Development of a showing variation of resistance with variation of temperature.	Report and sample. Fourth quarter, 1953
24	NTB-4	MATP	Development and production of internal milliammeters,	Report and sample. Fourth quarter, 1952
25	NTB-2	MEP	Development of a semi-automatic device for winding stators of asynchronous motors size 5.	Report, 8 samples, drawing. Second quarter, 1953.

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1	2	3	5	6
26	(1)	VVS [Military Air Force]	Trainer for visual and blind landing (Trenazher Vizualnoy I Slepoy Posadki),	Production of 2 samples and 2 sets of drawings, Fourth quarter, 1952,
27	NTB-3	Ministry VMS [possibly VME, Navy]	Development and production of a deep-sounding device (Echolot), with recorder and visual indicator ²	Production of a sample. Laboratory test. Assembly of documents on it. September 1952.
28	NTB-3	Min. VMS	Development of a sextant with an electric hydroscope with an accuracy of attitude measurement, in vibration, of \pm 1.5 secs.	Production of a sample. Preparation of documents, in duplicate. June 1952.
29	NTB-3	MSKhM [Min. of Agric. Mach. Constr.]	Large vibrating apparatus for testing - [illegible] from 30 to 100 kg.	Drawings, one sample, test, documents. Fourth quarter, 1952. 25X1
30	NTB-3	MATP	Investigation of the causes of noise in bearings and means of eliminating it.	Sample [sic] Documents September 1952.
31	NTB-3	MS [Min. of Communi- cations]	Development of an apparatus for control of the quality of the work of radio broadcasting stations.	Sample and documents in duplicate. September 1952.
32	NTB-3	VM	Development of the construction of a harmonic analyser similar to the types of mechanical analysers.	One laboratory sample and two sets of documents. November 1952.
33	NTB-3	Hydro- Meteorologi- cal Service of the USSR	Development of the construction, and production of, a narrow-sector atmosphere direction- finder (Peilengator).	One laboratory sample and two sets of docu- ments. September 1952. 25X1
34	NTB-3	VM	Development of the construction, and production of, a registering device for atmospheric spectra.	One laboratory sample one experimental model and 2 sets of documents. September 1952.
35	NTB-3	VM ³	Development of the construction of, and production of, 4 unilateral cathodes for radio- goniometers.	4 laboratory samples 1 experimental model 2 sets of documents. November 1952.

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1	2	3	5	6
36	NTB-3	VM	Development of a panorama ionospheric registering device, with photo-registration.	1 laboratory sample. 1 experimental model. 2 sets of documents. Second quarter, 1953.
37	NTB-3	VM	Development of a measuring instrument for radio wave absorption in the ionosphere.	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
38	NTB-3	VM	Development of an instrument for measuring atmospheric interference	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
39	NTB-3	VM	Development and production of: a) DC amplifier b) Stabilized feed blocks for amplifiers. c) Resistance blocks d) Decimal (Dekadnykh) blocks.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.
40	NTB-3	VM	Development and production of a comparator for measuring the potential of the vertical and horizontal components of an electric-magnetic field.	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
41	NTB-3	VM	Eight-fold automatic (optical) recorder.	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.
42	NTB-3	VM	HF power meter for the whole range 50 to 3330 mcs. (6 to 9 m.)	1 experimental model. 1 laboratory sample. 2 sets of documents. Second quarter, 1953
43	NTB-3	VM	Spectral analyser for HF vibrations in the range 50 to 3330 mcs. (9 cms. to 6 m.)	1 laboratory sample. 1 experimental model. 2 sets of documents. Second quarter, 1953
44	NTB-3	VM	High-speed instrument for recording modulated HF vibrations in the range 100 to 300 mcs.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.
45	NTB-3	VM	Development and production of an amplitude meter of high sensitivity.	1 laboratory sample. 1 experimental model. 2 sets of documents. November 1952.

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1	2	3	5	6	25X1
46	NTB-3	VM	Development and production of a vibro-stand.	1 laboratory sample 1 experimental model, 2 sets of documents July 1952.	
47	NTB-3	VM	Development and production of an electro-cardiograph for recording the physical activities of a human.	1 laboratory sample 1 experimental model, 2 sets of documents November 1952.	
48	NTB-3		Development and production of an electro-encephalograph for the recording of brain currents.	1 laboratory sample 1 experimental model, 2 sets of documents November 1952.	
49	NTB-3	VM	Development and production of an electro-hygrograph.	1 laboratory sample 1 experimental model, 2 sets of documents June 1952.	
50	NTB-3	VM	Development and production of an instrument for registering the physiological functions of the human organism under conditions of physical activity.	1 laboratory sample 1 experimental model, 2 sets of documents November 1952.	
51	NTB-3	VM	Production of a special electric stand for the production of inductive and inductive-free charges.	1 laboratory sample, 1 experimental model, 2 sets of documents, September 1952.	
52	NTB-3	VM	Tuning fork transmitter of electrical impulses.	1 laboratory sample. 1 experimental model. 2 sets of documents. July 1952	
53	NTB-3	VM	Pressure producer for altering the pressures of liquids or gases in a variable electric current.	1 laboratory sample. 28 experimental models, 2 sets of documents. July 1952.	
54	NTB-3	VM	Vibrating instrument for 20 to 300 cycles with 7.5 overload.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.	
55	NTB-3	VM	Instrument for holding the vertical in flight.	1 laboratory sample. 1 experimental model. 2 sets of documents. September 1952.	
56	NTB-3	VM	Production of an apparatus for determination of the distance of the under surface of clouds from the ground.	1 laboratory sample. 1 experimental model. 2 sets of documents. Second quarter, 1953.	

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1	2	3	5	6
57	NTB-3	Hydro-meteorological service of the USSR	Absolute electro-magnetic theodolite (variation of the earth's magnetic component).	1 laboratory sample 1 experimental model. 2 sets of documents November 1952.
58	NTB-3	"	Development of a unilateral radio-goniometer for atmospheric disturbance.	1 laboratory sample 1 experimental model. 2 sets of documents November 1952.
59	NTB-3	VM	Development and production of a vibratory recorder with transmitter of small dimensions and weight.	1 laboratory sample 1 experimental model. 2 sets of documents November 1952.
60	NTB-3	Hydro-meteorological service of the USSR	Production of a quartz for a spectrograph for spot magnetic field determination.	1 laboratory sample 1 experimental model. 2 sets of documents June 1952.

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